

Result No.	Score	Query Match	Length	DB	ID	Description
1	1294	99.5	243	4	Q96CG8	Q96CG8 homo sapien
2	1216	92.5	245	11	Q86G08	Q86G08 rattus norv
3	1201	92.3	235	11	Q9DID6	Q9DID6 mus musculi
4	1052	80.9	232	4	Q8IK63	Q8IK63 homo sapien
5	1332	10.1	555	11	Q8K036	Q8K036 mus muscul
6	124.5	9.6	717	4	Q9N052	Q9N052 homo sapien
7	122.5	9.4	1472	13	Q90ZK0	Q90ZK0 gallus gal
8	120	9.2	287	11	Q8CGR0	Q8CGR0 mus muscul
9	120	9.2	1752	5	Q07265	Q07265 strongyloce
10	119	9.1	1289	5	Q18799	Q18799 caenorhabd
11	118.5	9.1	1461	4	Q76045	Q76045 homo sapien
12	118.5	9.1	1464	4	Q8X475	Q8X475 homo sapien
13	118	9.1	251	5	Q8N473	Q8N473 caenorhabditi
14	118	9.1	832	4	Q6JUF7	Q6JUF7 homo sapien
15	118	9.1	1860	4	Q81ZC6	Q81ZC6 homo sapien
16	117.5	9.0	540	4	Q86YZ2	Q86YZ2 homo sapien

17	117.5	9.0	568	11	Q8CD80
18	117.5	9.0	739	11	Q7O575
19	117.5	9.0	751	11	Q9K1N9
20	117	9.0	327	5	Q011799
21	117	9.0	1669	11	Q9QZS0
22	116	8.9	886	4	Q9NBT7
23	116	8.9	888	13	Q90796
24	115.5	8.9	1075	4	Q8KX41
25	115.5	8.9	1621	4	Q9H4R9
26	115.5	8.9	1684	6	Q8HYC1
27	115.5	8.9	1688	6	Q866Z2
28	115	8.8	957	4	Q9H0V3
29	115	8.8	957	4	Q96P44
30	115	8.8	1163	4	Q8N6U4
31	114.5	8.8	311	5	Q01904
32	114.5	8.8	496	4	Q8N808
33	114	8.8	245	4	Q7Z502
34	114	8.8	304	5	Q9XVG3
35	114	8.8	304	5	Q9U349
36	114	8.8	304	5	Q9U348
37	114	8.8	312	11	Q8CHX9
38	113.5	8.7	287	4	Q7B513
39	113.5	8.7	289	11	Q8BTD7
40	113.5	8.7	300	5	Q221B3
41	113.5	8.7	345	5	Q95WZ2
42	113.5	8.7	1430	13	Q90W37
43	113.5	8.7	1549	11	Q6O444
44	113.5	8.7	1600	4	Q9UEH6
45	113.5	8.7	2944	11	Q63870

ALIGNMENTS

RESULT 1

ID	Q96CG8	PRELIMINARY;	PRT;	243	AA
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DT 01-DEC-2001 (TREMBLrel. 19, Created)
DT 01-DEC-2001 (TREMBLrel. 19, Last sequence update)
DT 01-OCT-2003 (TREMBLrel. 25, Last annotation update)
DT Collagen triple helix repeat-containing protein 1.
DE CTRHC1.
GN
OS Homo sapiens (Human).
OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
CX NCBI_TaxID=9606;
RN [1]
RN
RP SEQUENCE FROM N.A.
RC TISSUE=Kidney;
RC Strausberg R.;
RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.

RC TISSUE=toric smooth muscle;
RA Lehnert W., Moore D.P., Harmon K.J., Mancini M.L., Lindner V.;
RT "Expression of the novel collagen triple helix repeat-containing gene
RT (Chrcp) suggests functions in multiple organ systems."
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC014245; AAI14245.1; -
DR EMBL; AY136625; AAI15749.1; -
DR GeneW; HGNC:18831; CTRRC1
DR InterPro; IPR008160; Collagen.
DR Pfam; PF01391; Collagen; 1
SQ SEQUENCE 243 AA; 26224 MW; A11FEBIC66667F9 CMC64;

Query Match	99.5%	Score 1294	DB 4	Length 243
Best Local Similarity	99.6%	Pred. No. 2e-119		
Matches 242	Conservative 0	Mismatches 1	Indels 0	Gaps 0
QY	1	MRGGPAAAPGRLGILLILLIQLAPSSASSTPKGKKKQLRREYVDLYNGMCLGPA	60	
	1			
	1	MRGGPAAAPGRLGILLILLIQLAPSSASSTPKGKKKQLRREYVDLYNGMCLGPA	60	
DB	1	MRGGPAAAPGRLGILLILLIQLAPSSASSTPKGKKKQLRREYVDLYNGMCLGPA	60	

QY 61 GVPGRDGSFGANYIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGIDL 120
 Db 61 GVPGRDGSFGANGIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGIDL 120
 QY 121 GKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 180
 Db 121 GKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 180
 QY 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIEE 240
 Db 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIEE 240
 QY 241 LPR 243
 Db 241 LPR 243

RESULT 2

Q8CG08 PRELIMINARY; PRT; 245 AA.
 AC Q8CG08; 01-MAR-2003 (Tremblrel. 23, Created)
 DT 01-MAR-2003 (Tremblrel. 23, Last sequence update)
 DT 01-OCT-2003 (Tremblrel. 25, Last annotation update)
 DE Collagen triple helix repeat-containing protein 1.
 GN CTRH1.
 OS Rattus norvegicus (Rat).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
 OC NCBI_TaxID=10116;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=Sprague-Dawley;
 RC Lehnert W., Moore D.P., Harmon K.J., Mancini M.L., Lindner V.;
 RT "Expression of the novel collagen triple helix repeat-containing gene
 RT (Cthrc1) suggests functions in multiple organ systems."
 RT Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AY136824; AAN15748.1;
 DR InterPro: IPR008160; Collagen.
 DR Pfam: PF01391; Collagen; 1.
 SQ SEQUENCE 245 AA; 26424 MW; 2296FD6DCDBA21F2 CRC64;

Query Match 93.5%; Score 1216; DB 11; Length 245;
 Best Local Similarity 94.3%; Pred. No. 1e-111;
 Matches 231; Conservative 3; Mismatches 9; Indels 2; Gaps 1;

QY 1 MRPGGPAAPQRLRG--LTLTLTLTLQLPAPSSASEIPKQKQKQALRQREVDLYNGMCLQG 58
 Db 1 MRPGGPAAPQRLRG--LTLTLTLTLQLPAPSSASEIPKQKQKQALRQREVDLYNGMCLQG 60
 QY 59 PAGVPGRDGSPGANYIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGI 118
 Db 59 PAGVPGRDGSPGANGIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGI 120
 QY 119 DLGKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 178
 Db 119 DLGKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 180
 QY 179 DQSGPEMNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIE 238
 Db 181 DQSGPEMNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIE 240
 QY 239 EELPK 243
 Db 241 EELPK 245

RESULT 3
 ID Q8D1D6 PRELIMINARY; PRT; 245 AA.
 AC Q8D1D6;
 DT 01-JUN-2001 (Tremblrel. 17, Created)

DT 01-JUN-2001 (Tremblrel. 17, Last sequence update)
 DT 01-JUN-2003 (Tremblrel. 24, Last annotation update)
 DE 1110014B07Rik protein.
 GN CTRH1 OR 1110014B07Rik.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OC NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Embryo;
 RC MEDLINE=21085660; Pubmed=11217851;
 RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
 RA Arakawa T., Hara A., Fukumishi Y., Kono H., Adachi J., Fukuda S.,
 RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamana I.,
 RA Saito T., Okazaki Y., Gojibori T., Bono H., Kasukawa T., Saito R.,
 RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
 RA Fleischmann M., Gaasterland T., Glisic C., King B., Kochiwa H.,
 RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
 RA Schirini L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
 RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Bash G.,
 RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
 RA Brownstein M.J., Bull C., Fletcher C., Fujita M., Gariboldi M.,
 RA Gustinich S., Hill D., Hofmann M., Hume D.A., Kamita M., Lee N.H.,
 RA Lyons P., Marchionni L., Mashima J., Rodriguez I., Sakamoto N.,
 RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
 RA Sasaki H., Sato K., Schoenbach C., Seta T., Shibata Y., Storch K.-F.,
 RA Suzuki H., Toyooka K., Wang K.H., Wetz C., Whitaker C., Wilming L.,
 RA Wyshaw-Borls A., Yoshida K., Hasegawa Y., Kawaji H., Kohlsuki S.,
 RA Hayashizaki Y.;
 RT "Functional annotation of a full-length mouse cDNA collection."
 RL Nature 409:685-690 (2001).
 DR EMBL: AK003674; BAB22930.1;
 DR MGD: MGI:191838; Cthrc1.
 DR InterPro: IPR008160; Collagen.
 DR Pfam: PF01391; Collagen; 1.
 SQ SEQUENCE 245 AA; 26460 MW; 14951B7D8181A0E CRC64;

Query Match 92.3%; Score 1201; DB 11; Length 245;
 Best Local Similarity 93.1%; Pred. No. 3.1e-110;
 Matches 228; Conservative 4; Mismatches 11; Indels 2; Gaps 1;

QY 1 MRPGGPAAPQRLRG--LTLTLTLTLQLPAPSSASEIPKQKQKQALRQREVDLYNGMCLQG 58
 Db 1 MRPGGPAAPQRLRG--LTLTLTLTLQLPAPSSASEIPKQKQKQALRQREVDLYNGMCLQG 60
 QY 59 PAGVPGRDGSPGANYIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGI 118
 Db 59 PAGVPGRDGSPGANGIPGTGIPGRDGFKEGCEKCELESFEEESWTPNYKQCSWSSLYNGI 120
 QY 119 DLGKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 178
 Db 119 DLGKIACECTFTKRSNSALRVLFSSGLRLKCRNACCCRWYTFNCAEGSGPLIEAIIYL 180
 QY 179 DQSGPEMNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIE 238
 Db 181 DQSGPEMNSTINIHRTSSVEGLCEGIGAGLVDAIIVWGTCSDYPKGDASTGMSVSRIIIE 240
 QY 239 EELPK 243
 Db 241 EELPK 245

RESULT 4
 ID Q8IX63 PRELIMINARY; PRT; 232 AA.
 AC Q8IX63;
 DT 01-MAR-2003 (Tremblrel. 23, Created)
 DT 01-MAR-2003 (Tremblrel. 23, Last sequence update)
 DT 01-OCT-2003 (Tremblrel. 25, Last annotation update)
 DE NTMCI.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
RX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Samuk N., Fujiki K., Kanai A., Tanaka Y., Iwata T.;
RT "Novel polypeptide found in human cornea cDNA library."
RU Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF395488; AF017913.1; -.
DR InterPro; IPR008160; Collagen.
DR Pfam; PF01391; Collagen; 1.
SQ SEQUENCE 232 AA; 25163 MW; E9D4BC30304837ED CRC64;

Query Match
Best Local Similarity 80.9%; Score 1052; DB 4; Length 232;
Matches 201; Conservative 8; Mismatches 19; Indels 14; Gaps 2;

QY 1 MPPGPASFORLGLLILLILQLPAPSSASEIPKQKQALQREVVLDLYNCMLQCPA 60
DB 1 MPPGPSIT-VKUREKTIVSRKLEMMGPSAFQGLICK-----YNGMCLQCPA 46
QY 61 GVPGRGSPGANVPRTGPIGRDGFKEGECLESPFESWTPTYKQCSMSLNYGIDL 120
DB 47 GVPGRGSPGANVPRTGPIGRDGFKEGECLESPFESWTPTYKQCSMSLNYGIDL 106
QY 121 GKIACTFTKRSNSALRVLFSGSLRLKCRNACCGRWYFTNGACGGLPIEALITYDQ 180
DB 107 GKIACTFTKRSNSALRVLFSGSLRLKCRNACCGRWYFTNGACGGLPIEALITYDQ 166
QY 181 GSENNSTINIHRTSVGELGEGIGAVDVAVIWTGCSDPYKPDASTGMNSVRITIEE 240
DB 167 GSENNSTINIHRTSVGELGEGIGAVDVAVIWTGCSDPYKPDASTGMNSVRITIEE 226
QY 241 LP 242
DB 227 LP 228

RESULT 5
QY 08K036 PRELIMINARY; PRT; 565 AA.
AC 08K036;
DT 01-OCT-2002 (TREMBlrel. 22, Created)
DT 01-OCT-2002 (TREMBlrel. 22, Last sequence update)
DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)
DE Similar to collagen, type XIII, alpha 1.
GN COL13A1.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RA Straussberg R.;
RT Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
RU EMBL; BC034164; AA034164.1; -.
DR MGD; MGI:1277201; Col13a1.
DR InterPro; IPR008161; C1g_helix.
DR InterPro; IPR008160; Collagen.
DR Pfam; PF01391; Collagen; 5.
DR ProDom; PD000007; C1g_helix; 1.
KW Collagen.
SQ SEQUENCE 565 AA; 56726 MW; DBD3PF99D670195F CRC64;

Query Match
Best Local Similarity 10.1%; Score 132; DB 11; Length 565;
Matches 38; Conservative 13; Mismatches 35; Indels 26; Gaps 6;

QY 27 PSSASEI-----PKGKQKQALQREVVLDLYNC-----MCLQGPAGVPGRDSPGA 71
DB 393 PGAAGGQGPSPGPKG-AKGEKGEKEMVD-YNGSINEALGEIRIALMGPGGLPGQSPFGP 450
QY 72 NVIPGTP-----GTPGRDGFKEGECLESPFESWTPTYKQCSMSLNYG 117

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DB 451 ----PGRDGFKEGECLESPFESWTPTYKQCSMSLNYG 499

RESULT 6
QY 09N052 PRELIMINARY; PRT; 717 AA.
AC 09N052;
DT 01-OCT-2000 (TREMBlrel. 15, Created)
DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)
DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)
DE Type XIII collagen.
GN COL13A1.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Shellman A., Tu H., Vaeisaeen T., Kvist A.P., Huhtala P.,
RA Phlatjanemi T.;
RT "A short sequence in the N-terminal region is required for the
RT trimerization of type XIII collagen and is conserved in other
RT collagenous transmembrane proteins."
RU Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ293624; CAC00688.1; -.
DR Genew; HGNC:2190; COL13A1.
DR InterPro; IPR008161; C1g_helix.
DR InterPro; IPR008160; Collagen.
DR Pfam; PF01391; Collagen; 9.
DR ProDom; PD000007; C1g_helix; 1.
KW Collagen.
SQ SEQUENCE 717 AA; 69964 MW; A311E9C7D3B87577 CRC64;

Query Match
Best Local Similarity 9.6%; Score 124.5; DB 4; Length 717;
Matches 32; Conservative 8; Mismatches 17; Indels 19; Gaps 4;

QY 34 PKGKQKQALQREVVLDLYNC-----MCLQGPAGVPGRDSPGANVP-----G 76
DB 431 PKG-SKGEKGEKEMVD-YNGSINEALGEIRIALMGPGGLPGQSPFGPAGKIGQKEIG 488
QY 77 TPGIPGRDGFKEGECLESPFESWTPTYKQCSMSLNYG 92
DB 489 LPGPGRDGFKEGECLESPFESWTPTYKQCSMSLNYG 504

RESULT 7
QY 0902A0 PRELIMINARY; PRT; 1472 AA.
AC 0902A0;
DT 01-DEC-2001 (TREMBlrel. 19, Created)
DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)
DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
DE Collagen type XX alpha 1 precursor.
GN Gallus gallus (Chicken).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1]
RP SEQUENCE FROM N.A.
RA MEDLINE=2103548; PubMed=11274142;
RA Koch M., Foley J.E., Hahn R., Zhou P., Burgess R.E., Gerecke D.R.,
RA Gordon M.K.;
RT "alpha 1(XX) Collagen, a New Member of the Collagen Subfamily, Fibril-
RT associated Collagens with Interrupted Triple Helices."
RU J Biol Chem 276:23120-23126(2001).
DR EMBL; AF312825; AK58847.1; -.
DR GO; GO:0005198; F:structural molecule activity; IEA.
DR GO; GO:0007155; P:cell adhesion; IEA.
DR InterPro; IPR008161; C1g_helix.
DR InterPro; IPR008160; Collagen.

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DR InterPro; IPR003961; FN_III.
 DR InterPro; IPR008957; FN_III-like.
 DR InterPro; IPR003129; TSPN.
 DR InterPro; IPR002035; VWF_A.
 DR Pfam; PF01391; Collagen; 4.
 DR Pfam; PF00041; Fn3; 6.
 DR Pfam; PF02210; TSPN; 1.
 DR Pfam; PF00092; Vwf; 1.
 DR PRINTS; PR00453; VWFADOMAIN.
 DR PRODOM; PD000007; C1g_helix; 1.
 DR SMART; SM00060; FN3; 6.
 DR SMART; SM00210; TSPN; 1.
 DR SMART; SM00327; VWA; 1.
 DR PROSITE; PS00234; VWF_A; 1.
 DR Collagen; Signal.
 KM SIGNAL 1 28
 FT SEQUENCE 1472 AA; 156903 MW; 5361611579C56EFD CRC64;

Query Match 9.4%; Score 122.5; DB 13; Length 1472;
 Best Local Similarity 33.6%; Pred. No. 0.0076;
 Matches 37; Conservative 7; Mismatches 27; Indels 39; Gaps 6;

QY 3 PGPSASPPQRLGILLILLILLLLP-----APSSASEI-----PKGKQKQALRQREV 47
 DB 1161 PGPPSPSPGR-RG-----PQEGQEPGPKGEPGPKGVAPGSGGQGGSPGSC--- 1207
 QY 48 VDLVNGMCLQGPAGVP-----GRDGPAGANVPGTPTGPGDGFKEKG 91
 DB 1208 -----GTTGGVPPGPKGKGRGDPGSPGMGIPGVQAGPGRGGLQAGK 1252

RESULT 8
 Q8CFR0 PRELIMINARY; PRT; 287 AA.
 AC O8CFR0:
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE Similar to C1g-like.
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 CX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Eye;
 RA Strausberg R.;
 RL Submitted (NOV-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; BC040774; AAH40774.1; -
 DR InterPro; IPR001073; C1g.
 DR InterPro; IPR008160; Collagen.
 DR InterPro; IPR008983; TNF-like.
 DR Pfam; PF01391; Collagen; 4.
 DR Pfam; PF01386; C1g; 1.
 DR PRINTS; PR00007; COMPLEMENTC1Q.
 DR SMART; SM00110; C1Q; 1.
 DR PROSITE; PS01113; C1Q; 1.
 SQ SEQUENCE 287 AA; 29292 MW; 8FF89EC1C7420415 CRC64;

Query Match 9.2%; Score 120; DB 11; Length 287;
 Best Local Similarity 34.7%; Pred. No. 0.0017;
 Matches 42; Conservative 10; Mismatches 57; Indels 12; Gaps 4;

QY 27 PSSASEIPKQKQKQALRQREV-DLVNG--MCLQGPAGVGRDGPAGANVPGTPTGPG 82
 DB 44 PAKKAPPPGPGSTAL---EVQDLSANPPPPPTGKQKDPGRGKPPRPPGPPGPPG 100
 QY 83 RDGKGEKGECLRESFESWTNPNYKQCSWSILVYGLDKIAECTFTKMSNSALRVLFS 142
 DB 101 PRGPPGKGDGSRPGL-----PGLQVTTSAAGVGVVSGTGCGDTEGEVTSALSAFSS 155
 QY 143 G 143

DB 156 G 156

RESULT 9
 Q07265 PRELIMINARY; PRT; 1752 AA.
 ID Q07265;
 AC Q07265;
 DT 01-NOV-1996 (TREMBlrel. 01, Created)
 DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, Last annotation update)
 DE 3 alpha procollagen.
 GN COL3A1PRA.
 OS Strongylocentrotus purpuratus (Purple sea urchin).
 OC Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Echinozoa;
 OC Echinoidae; Euechinoidae; Echinacea; Echinoidea; Strongylocentrotidae;
 OC Strongylocentrotus.
 CX NCBI_TaxID=7668;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA MEDLINE=3186842; PubMed=8444899;
 RA Exposito J.-Y., D'Alessio M., Di Liberto M., Ramirez F.;
 RT "Complete primary structure of a sea-urchin type IV collagen and
 RT analysis of the 5' end of its gene."
 RL U. Biol. Chem. 268:5249-5254(1993).
 DR EMBL; L02917; AAA30039.1; -
 DR GO; GO:0005581; C:collagen; IEA.
 DR GO; GO:0005201; F:extracellular matrix structural constituent; IEA.
 DR InterPro; IPR008161; C1g_helix.
 DR InterPro; IPR008160; Collagen.
 DR InterPro; IPR001442; Procollagen4_C.
 DR Pfam; PF01413; C4; 2.
 DR Pfam; PF01391; Collagen; 25.
 DR PRODOM; PD000007; C1g_helix; 9.
 DR PRODOM; PD003923; ProcollagenC4; 1.
 DR SMART; SM00111; C4; 2.
 KM SEQUENCE 1752 AA; 170210 MW; 1AB5AA21569346D CRC64;

Query Match 9.2%; Score 120; DB 5; Length 1752;
 Best Local Similarity 22.4%; Pred. No. 0.017;
 Matches 46; Conservative 20; Mismatches 61; Indels 78; Gaps 9;

QY 3 PGPSASPPQRLGILLILLILLLLPAPSSASEIPKQKQKQALRQREVVDLVNMGCLQGPAGV 62
 DB 1453 PGPPSPSPGR-----PGPG-----PQ-----LTGDKGT 1477
 QY 63 PGDGPAGANVPGTPTGPGDGFKEKGECLEKRESF-----ESWT 103
 DB 1478 PGVQGNPPGVSGVPGFGLKGEQGFPGQGPDPGPGTKEAGIGSGSGPFTTHSQT 1537
 QY 104 PNYKQ-----SW-----SSLNYGIDIGKIAECTFTKMSNSALRVLFSGSLRL 147
 DB 1538 TSIPCCPGGTAMMHGYSLLFVQGNRGRHODLGRKPSG-----LKRFTMPPLFC-NINN 1592
 QY 148 KCRNACCORWYFTENGACSGPLPI 172
 DB 1593 VCHVASRNDYSYWLSTTE---PMPM 1614

RESULT 10
 Q18799 PRELIMINARY; PRT; 289 AA.
 ID Q18799;
 AC Q18799;
 DT 01-NOV-1996 (TREMBlrel. 01, Created)
 DT 01-JAN-1998 (TREMBlrel. 05, Last sequence update)
 DT 01-JUN-2003 (TREMBlrel. 24, Last annotation update)
 DE C53B4.5 protein.
 GN C53B4.5.
 OS Caenorhabditis elegans.
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidae;
 OC Rhabditidae; Peloderinae; Caenorhabditis.
 CX NCBI_TaxID=6239;
 RN [1]

RP SEQUENCE FROM N.A.
 RA Berks M.;
 RL Submitted (DEC-1995) to the EMBL/GenBank/DBJ databases.
 RP SEQUENCE FROM N.A.
 RX MEDLINE=99069613; PubMed=9851916;
 RA none;
 RT "Genome sequence of the nematode C.elegans: A platform for
 RT investigating biology.";
 RL Science 282:2012-2018(1998).
 DR EMBL; Z68215; CAA92453.1; -
 DR PIR; T20177; T20177.
 DR Wormpep; CS384.5; CE03091.
 DR InterPro; IPR008160; Collagen.
 DR InterPro; IPR002486; Col_cuticle_N.
 DR Pfam; PF01391; Collagen; 2.
 DR Pfam; PF01484; Col_cuticle_N; 1.
 SQ SEQUENCE 289 AA; 28994 MW; 2999A3FF9CC0B044 CRC64;

Query March 9.1%; Score 119; DB 5; Length 289;
 Best Local Similarity 34.5%; Pred. No. 0.0022;
 Matches 29; Conservative 5; Mismatches 20; Indels 30; Gaps 2;

QY 25 PAPSASERPKGKQKQLRQREVVDLYNGMCLQGPAVPRDGS-----P 69
 DB 203 PQGSGPGEPRGPQPGS-----RGDAGPGKDAQGQSGPKGANGEPGQP 247
 QY 70 GANVTPGTGIPGRDGPKEKGEK 93
 DB 248 GRDGPGRDGPGRDGHPEKGV 271

RESULT 11
 ID 076045 PRELIMINARY; PRT; 1461 AA.
 AC 076045;
 DT 01-NOV-1998 (TRENBLREL. 08, Created)
 DT 01-NOV-1999 (TRENBLREL. 12, Last sequence update)
 DT 01-OCT-2003 (TRENBLREL. 25, Last annotation update)
 DE Pro alpha 1(I) collagen.
 GN COL1A1
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 OC NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Chu M.L., de Wet W., Bernard M., Ramirez F.;
 RT "Fine structural analysis of the human pro-alpha 1 (I) collagen gene.
 RT Promoter structure, AluI repeats, and polymorphic transcripts.";
 RL J. Biol. Chem. 260:2315-2320(1985).
 RN [2]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=88329734; PubMed=2843432;
 RA D'Alessio M., Bernard M., Precorius P.J., de Wet W., Ramirez F.;
 RT "Complete nucleotide sequence of the region encompassing the first
 RT twenty-five exons of the human pro alpha 1(I) collagen gene.";
 RL Gene 67:105-115(1988).
 RN [3]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=89025644; PubMed=3178743;
 RA Tromp G., Kuivaniemi H., Stacey A., Shikata H., Baldwin C.T.,
 RA Jaenisch R., Prockop D.J.;
 RT "Structure of a full-length cDNA clone for the prepro alpha 1(I) chain
 RT of human type I procollagen.";
 RL Biochem. J. 253:919-922(1988).
 RN [4]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=91138770; PubMed=1995349;
 RA Maatla A., Bornstein P., Penttinen R.P.;
 RT "Highly conserved sequences in the 3'-untranslated region of the
 RT COL1A1 gene bind cell-specific nuclear proteins.";

RL FEBS Lett. 279:9-13(1991).
 RN [5]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=92157916; PubMed=1787829;
 RA Westerhausen A., Constantinou C.D., Pack M., Peng M.Z., Hanning C.,
 RA Olsen A.S., Prockop D.J.;
 RT "Completion of the last half of the structure of the human gene for
 RT the Pro alpha 1 (I) chain of type I procollagen (COL1A1).";
 RL Matrix 11:375-379(1991).
 RN [6]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=98107942; PubMed=9443882;
 RA Korkko J., Ala-Korkko L., De Paep A., Nuytink L., Barley J.,
 RA Prockop D.J.;
 RT "Analysis of the COL1A1 and COL1A2 genes by PCR amplification and
 RT scanning by conformation-sensitive gel electrophoresis identifies only
 RT COL1A1 mutations in 15 patients with osteogenesis imperfecta type I;
 RT identification of common sequences of null-allele mutations.";
 RL Am. J. Hum. Genet. 62:98-110(1998).
 RN [7]
 RP SEQUENCE FROM N.A.
 RA Korkko J.M., Barley J.J., Nuytink L., DePaep A., Prockop D.J.,
 RA Ala-Korkko L.;
 RL Submitted (May-1999) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF017178; AAB94054.2; -
 DR GO; GO:0005581; C:collagen; IEA.
 DR GO; GO:0005201; F:extracellular matrix structural constituent; IEA.
 DR InterPro; IPR008161; C1g helix.
 DR InterPro; IPR002181; Fibrinogen.
 DR InterPro; IPR000885; Fib-collagen_C.
 DR InterPro; IPR001007; VWF_C.
 DR Pfam; PF01410; COLF1; 1.
 DR Pfam; PF01391; Collagen; 18.
 DR ProDom; PD000007; C1g helix; 2.
 DR ProDom; PD002078; Fib-collagen_C; 1.
 DR SMART; SM00038; COLF1; 1.
 DR SMART; SM00214; VWC; 1.
 DR PROSITE; PS01208; VWF_C_1; 1.
 DR PROSITE; PS50184; VWF_C_2; 1.
 KW Collagen.
 SQ SEQUENCE 1461 AA; 138630 MW; 9ACFDE30EA78E21 CRC64;

Query March 9.1%; Score 118.5; DB 4; Length 1461;
 Best Local Similarity 36.3%; Pred. No. 0.019;
 Matches 33; Conservative 2; Mismatches 23; Indels 33; Gaps 4;

QY 3 PQGPAAS--PQRLGLLLLLQLPAPSASERPKGKQKQLRQREVVDLYNGMCLQGA 60
 DB 354 PQGPRGSEGPQGVG-----EPGPPG-----AAGPA 382
 QY 61 GVPGRDGPANVTPGTGIPGRDGPKEK 91
 DB 383 GNPAGDGPAGKANGAPGAPGAPGARG 413

RESULT 12
 ID 08N473 PRELIMINARY; PRT; 1464 AA.
 AC 08N473;
 DT 01-OCT-2002 (TRENBLREL. 22, Created)
 DT 01-OCT-2002 (TRENBLREL. 22, Last sequence update)
 DT 01-OCT-2003 (TRENBLREL. 25, Last annotation update)
 DE Hypothetical protein.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 OC NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Tissue=Brain;
 RA Strauberg R.;
 RL Submitted (Aug-2002) to the EMBL/GenBank/DBJ databases.

RT "Identification, characterization and expression analysis of a new
 RT fibrillar collagen gene, COL27A1,";
 RL Submitted (SEP-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AY149237; AN41263.1; -
 DR GO; GO:0005581; C:collagen; IEA.
 DR GO; GO:0005201; Extracellular matrix structural constituent; IEA.
 DR GO; GO:0007155; P:cell adhesion; IEA.
 DR InterPro; IPR008160; Collagen.
 DR InterPro; IPR008985; Cora_like_1ec_g1.
 DR InterPro; IPR008985; Fib_collagen_C.
 DR InterPro; IPR003129; TSPN.
 DR Pfam; PF01410; COLFI; 1.
 DR Pfam; PF01391; Collagen; 15.
 DR Pfam; PF02210; TSPN; 1.
 DR Prodom; PD002078; Fib_collagen_C; 1.
 DR SMART; SM00038; COLFI; 1.
 DR SMART; SM00210; TSPN; 1.
 KW Signal.
 FT SIGNAL.
 FT CHAIN 1 41 POTENTIAL.
 FT CHAIN 625 1621 COLLAGEN XXVII PROALPHA 1 CHAIN.
 SQ SEQUENCE 1860 AA; 186891 MW; 5f8cdFAF4B6014EC CRC64;

Query Match 9.1%; Score 118; DB 4; Length 1860;
 Best Local Similarity 47.8%; Pred. No. 0.028;
 Matches 33; Conservative 4; Mismatches 26; Indels 6; Gaps 3;

QY 25 PAPSSASEIPKGR-KAQLRQREVVDLYNMCICQFAGVPGRDSPGANYIPGTG3IGR 83
 Db 1395 PKGSKGAPGPKGKGKAGAPGRGVQGLQG--LPGRGVVGRQGLEG--IAGPDGLFGR 1449
 QY 84 DGPKEKEGE 92
 Db 1450 DQAGQOQGE 1458

Search completed: March 2, 2004, 20:34:02
 Job time : 47 secs

Db 241 LPK 243

RESULT 5

US-09-692-081-2
; Sequence 2, Application US/09692081
; Patent No. 6630325
; GENERAL INFORMATION:
; APPLICANT: LINDNER, Volkhard
; APPLICANT: FRIESEL, Robert F.
; TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO REMODEL
; FILE REFERENCE: 36-13 Lindner et al. (200036.0013)
; CURRENT APPLICATION NUMBER: US/09/692,081
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-692-081-2

Query Match 93.5%; Score 1216; DB 4; Length 245;

Best Local Similarity 94.3%; Pred. No. 4, 3e-119; Indels 2; Gaps 1;

Matches 231; Conservative 3; Mismatches 9; Indels 2; Gaps 1;

Qy 1 MRPGPAASPOLRLG--LTLILLQLPAPSSASEIPKQKQKQALRQREVVDLYNGMCLQG 58
Db 1 MRPGPAASPOLRLGLFLVLLLLQLAPSSASEIPKQKQKQALRQREVVDLYNGMCLQG 60
Qy 59 PAGVPRDGSFGANVIGTPTGIPGRDGFKEGECCECESESESWTPNYKQCSWSLNYGI 118
Db 61 PAGVPRDGSFGANVIGTPTGIPGRDGFKEGECCECESESESWTPNYKQCSWSLNYGI 120
Qy 119 DLGKIAECTFTKMSNSALRYLFSGSLRLKCRNACCORWYFTFNAGACSGPLPEAIYYL 178
Db 121 DLGKIAECTFTKMSNSALRYLFSGSLRLKCRNACCORWYFTFNAGACSGPLPEAIYYL 180
Qy 179 DQSPENNSTINIHRTSSVEGICEGIGAGLVDAIVWGTCSDPKGDASTGMNSVSR111 238
Db 181 DQSPENNSTINIHRTSSVEGICEGIGAGLVDAIVWGTCSDPKGDASTGMNSVSR111 240
Qy 239 EELPK 243
Db 241 EELPK 245

RESULT 6

US-09-692-081-5
; Sequence 5, Application US/09692081
; Patent No. 6630325
; GENERAL INFORMATION:
; APPLICANT: LINDNER, Volkhard
; APPLICANT: FRIESEL, Robert F.
; TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO REMODEL
; FILE REFERENCE: 36-13 Lindner et al. (200036.0013)
; CURRENT APPLICATION NUMBER: US/09/692,081
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Rattus sp.
US-09-692-081-5

Query Match 93.5%; Score 1216; DB 4; Length 277;

Best Local Similarity 94.3%; Pred. No. 5, 1e-119; Indels 2; Gaps 1;

Matches 231; Conservative 3; Mismatches 9; Indels 2; Gaps 1;

Qy 1 MRPGPAASPOLRLG--LTLILLQLPAPSSASEIPKQKQKQALRQREVVDLYNGMCLQG 58
Db 33 MRPGPAASPOLRLGLFLVLLLLQLAPSSASEIPKQKQKQALRQREVVDLYNGMCLQG 92

Qy 59 PAGVPRDGSFGANVIGTPTGIPGRDGFKEGECCECESESESWTPNYKQCSWSLNYGI 118
Db 93 PAGVPRDGSFGANVIGTPTGIPGRDGFKEGECCECESESESWTPNYKQCSWSLNYGI 152
Qy 119 DLGKIAECTFTKMSNSALRYLFSGSLRLKCRNACCORWYFTFNAGACSGPLPEAIYYL 178
Db 153 DLGKIAECTFTKMSNSALRYLFSGSLRLKCRNACCORWYFTFNAGACSGPLPEAIYYL 212
Qy 179 DQSPENNSTINIHRTSSVEGICEGIGAGLVDAIVWGTCSDPKGDASTGMNSVSR111 238
Db 213 DQSPENNSTINIHRTSSVEGICEGIGAGLVDAIVWGTCSDPKGDASTGMNSVSR111 272
Qy 239 EELPK 243
Db 273 EELPK 277

RESULT 7

US-09-205-258-958
; Sequence 958, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972

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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO: 958
; LENGTH: 276
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (10)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-205-258-958

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Query Match      84.6%; Score 1100.5; DB 4; Length 276;
Best Local Similarity 96.7%; Pred. No. 5,1e-107; Indels 1; Gaps 1;
Matches 203; Conservative 3; Mismatches 3;
QY 34 PKGKQAKLRQREVDLYNGMCLQGPAGVGRDGSFGANVPGTPIGRDGFGEKEEC 93
DB 68 PRG-SKRIRQREVDLYNGMCLQGPAGVGRDGSFGANVPGTPIGRDGFGEKEEC 126
QY 94 LRSFESWTFNYKQCSWSLNYGIDLGKIAECTFTKRSNSALRYLFGSLRLKCRNAC 153
DB 127 LRSFESWTFNYKQCSWSLNYGIDLGKIAECTFTKRSNSALRYLFGSLRLKCRNAC 186
QY 154 CQRYWYTFNGAECGSLPIEALIIYLDQGSPEMNSTINIHRTSSVEGLCEGIGAGLVDAI 213
DB 187 CQSWYTFNGAECGSLPIEALIIYLDQGSPEMNSTINIHRTSSVEGLCEGIGAGLVDAI 246
QY 214 WVGTCSDYPRKGDASTGMNSVSRITIELPK 243
DB 247 WVGTCSDYPRKGDASTGMNSVSRITIELPK 276

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RESULT 8
US-09-834-759-516
; Sequence 516, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:

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; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Heppler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 516
; LENGTH: 197
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-834-759-516

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Query Match      80.9%; Score 1053; DB 4; Length 197;
Best Local Similarity 100.0%; Pred. No. 3.5e-102; Indels 0; Gaps 0;
Matches 197; Conservative 0; Mismatches 0;
QY 1 MRPGPASPQRLRGLILLILLQLPAPSSASEIPKQKQAKLRQREVDLYNGMCLQSPA 60
DB 1 MRPGPASPQRLRGLILLILLQLPAPSSASEIPKQKQAKLRQREVDLYNGMCLQSPA 60
QY 61 GVPGRDGSFGANVIGTPIGRDGFGEKEECLRESFESWTFNYKQCSWSLNYGIDL 120
DB 61 GVPGRDGSFGANVIGTPIGRDGFGEKEECLRESFESWTFNYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTKRSNSALRYLFGSLRLKCRNACQRYWYTFNGAECGSLPIEALIIYLDQ 180
DB 121 GKIAECTFTKRSNSALRYLFGSLRLKCRNACQRYWYTFNGAECGSLPIEALIIYLDQ 180
QY 181 GSPENSTINIHRTSSV 197
DB 181 GSPENSTINIHRTSSV 197

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RESULT 9
US-09-834-759-517
; Sequence 517, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Heppler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 517
; LENGTH: 232
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-834-759-517

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Query Match      80.9%; Score 1053; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 4.4e-102; Indels 0; Gaps 0;
Matches 197; Conservative 0; Mismatches 0;
QY 1 MRPGPASPQRLRGLILLILLQLPAPSSASEIPKQKQAKLRQREVDLYNGMCLQSPA 60
DB 36 MRPGPASPQRLRGLILLILLQLPAPSSASEIPKQKQAKLRQREVDLYNGMCLQSPA 95

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QY 61 GVPGRDGSFGANYIPGTPIGIRGDFKGEKGECLRESFRESWTPTNYKQCSWSSINYIDL 120
DB 96 GVPGRDGSFGANYIPGTPIGIRGDFKGEKGECLRESFRESWTPTNYKQCSWSSINYIDL 155
QY 121 GVIARCTFTKMRNSALRYLFGSGLRLKCRNACCQRYTTPNAGSGPLPIEATITLVDQ 180
DB 156 GVIARCTFTKMRNSALRYLFGSGLRLKCRNACCQRYTTPNAGSGPLPIEATITLVDQ 215
QY 181 GSPENNSTINIHRTSSV 197
DB 216 GSPENNSTINIHRTSSV 232

RESULT 10
US-09-205-258-962
; Sequence 962, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
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; EARLIER APPLICATION NUMBER: 60/048,971
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; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
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; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
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; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373

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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 962
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-205-258-962

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Best Local Similarity 100.0%; Pred. No. 6.1e-30;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 FTKMRNSALRYLFGSGLRLKCRNACCQRYTTPNAGSGPLPIEATITLVDQSGSPENNS 60
QY 188 TINIR 193
DB 61 TINIR 66

RESULT 11
US-09-205-258-961
; Sequence 961, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 961
LENGTH: 52

TYPE: PRT
ORGANISM: Homo sapiens
US-09-205-258-961
Query Match 22.8%; Score 296; DB 4; Length 52;
Best Local Similarity 100.0%; Pred. No. 8.2e-24;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 12
US-09-205-258-963
Sequence 963, Application US/09205258
Patent No. 6525174
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: 207 Human Secreted Proteins
FILE REFERENCE: P2007P1
CURRENT FILING DATE: 1998-12-04
EARLIER APPLICATION NUMBER: PCT/US98/11422
EARLIER FILING DATE: 1998-06-04
EARLIER APPLICATION NUMBER: 60/048,885
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,375
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,881
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,373
EARLIER FILING DATE: 1997-06-06

EARLIER APPLICATION NUMBER: 60/048,875
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,374
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EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 963
LENGTH: 51
TYPE: PRT
ORGANISM: Homo sapiens
US-09-205-258-963

Query Match 20.8%; Score 270; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 4.2e-21;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 193 RRSVGLCEGIGAGLVDAIWTGTCSDYPRKGDASTGNNVSRIIIEELPK 243
DB 1 RRSVGLCEGIGAGLVDAIWTGTCSDYPRKGDASTGNNVSRIIIEELPK 51

RESULT 13
US-09-834-759-518
Sequence 518, Application US/09834759
Patent No. 6680197
GENERAL INFORMATION:
APPLICANT: Jiang, Yugu
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Susan L.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.470C9
CURRENT APPLICATION NUMBER: US/09/834,759
CURRENT FILING DATE: 2001-04-13
NUMBER OF SEQ ID NOS: 547
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 518
LENGTH: 46
TYPE: PRT
ORGANISM: Homo sapiens
US-09-834-759-518
Query Match 19.1%; Score 248; DB 4; Length 46;

Best Local Similarity 100.0%; Pred. No. 7.2e-19;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 14
US-09-205-258-960
Sequence 960, Application US/09205258
Patent No. 6525174
GENERAL INFORMATION:
APPLICANT: Young et al.
TITLE OF INVENTION: 207 Human Secreted Proteins
FILE REFERENCE: P200721
CURRENT APPLICATION NUMBER: US/09/205,258
EARLIER FILING DATE: 1998-12-04
EARLIER APPLICATION NUMBER: PCT/US98/11422
EARLIER FILING DATE: 1998-06-04
EARLIER APPLICATION NUMBER: 60/048,885
EARLIER FILING DATE: 1997-06-06
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EARLIER APPLICATION NUMBER: 60/094,557
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 960
LENGTH: 52
TYPE: PRT
ORGANISM: Homo sapiens
US-09-205-258-960

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Best Local Similarity 85.1%; Pred. No. 5,7e-15;
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DB 7 PRG-SKRRIRQREVVDLYNMCLOGPAGVGRDGSFGANGIPGTPTGI 52

RESULT 15
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Sequence 240, Application US/09489847
Patent No. 6476195
GENERAL INFORMATION:
APPLICANT: Rosen et al
TITLE OF INVENTION: 98 Human Secreted Proteins
FILE REFERENCE: P2031P1
CURRENT APPLICATION NUMBER: US/09/489,847
CURRENT FILING DATE: 2000-01-24
EARLIER APPLICATION NUMBER: PCT/US99/17130
EARLIER FILING DATE: 1999-07-29
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
EARLIER APPLICATION NUMBER: 60/095,486
EARLIER FILING DATE: 1998-08-05
EARLIER APPLICATION NUMBER: 60/096,319
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EARLIER FILING DATE: 1998-08-06
NUMBER OF SEQ ID NOS: 376
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LENGTH: 93
TYPE: PRT
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US-09-489-847-240

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Search completed: March 2, 2004, 20:35:09
Job time : 23 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 2, 2004, 20:32:38 ; Search time 34 Seconds
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Title: US-10-017-610A-352

Perfect score: 1301

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1301	100.0	243	10 US-09-946-374-352	Sequence 352, App
3	1301	100.0	243	10 US-09-946-374-431	Sequence 431, App
4	1301	100.0	243	13 US-10-006-867-122	Sequence 122, App
5	1301	100.0	243	13 US-10-052-586-366	Sequence 366, App
6	1301	100.0	243	13 US-10-007-805-514	Sequence 514, App
7	1301	100.0	243	13 US-10-063-547-122	Sequence 122, App
8	1301	100.0	243	14 US-10-174-590-366	Sequence 366, App
9	1301	100.0	243	14 US-10-176-758-366	Sequence 366, App
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42	1301	100.0	243	14 US-10-173-705-366	Sequence 366, App
43	1301	100.0	243	14 US-10-174-576-366	Sequence 366, App
44	1301	100.0	243	14 US-10-174-585-366	Sequence 366, App
45	1301	100.0	243	14 US-10-174-586-366	Sequence 366, App

ALIGNMENTS

RESULT 1
US-09-938-418-7
Sequence 7, Application US/09938418
Patent No. US20020161199A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul
APPLICANT: Gurney, Austin L.
APPLICANT: Polakis, Paul
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Wu, Thomas D.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF TUMOR
FILE REFERENCE: P5009R1
CURRENT APPLICATION NUMBER: US/09/938, 418
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: 60/081, 071
PRIOR FILING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: 60/085, 697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/097, 022
PRIOR FILING DATE: 1998-08-18
PRIOR APPLICATION NUMBER: 60/101, 922
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/103, 679
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: PCT/US99/05028
PRIOR FILING DATE: 1999-03-08
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: 1999-06-02
PRIOR APPLICATION NUMBER: PCT/US99/20111
PRIOR FILING DATE: 1999-09-01
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US00/04342

PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/04341
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/17800
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 10
SEQ ID NO 7
LENGTH: 243
TYPE: PRT
ORGANISM: Homo Sapien
US-09-938-418-7

Query Match 100.0%; Score 1301; DB 9; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGSPASPCRLRLGILLILLLLPAPSSSEIPKKGKQKQRLREVVDLYNMGCLQGP 60
DB 1 MRPGSPASPCRLRLGILLILLLLPAPSSSEIPKKGKQKQRLREVVDLYNMGCLQGP 60
QY 61 GVPGRDGSFGANVIPQTPGIPGRDGFKEGEGECLRESFEESMTPTNYKOCSSWLSNYGIDL 120
DB 61 GVPGRDGSFGANVIPQTPGIPGRDGFKEGEGECLRESFEESMTPTNYKOCSSWLSNYGIDL 120
QY 121 GKLECFPTKRSNSALRLVLFSSSLRLKCNACCQRYFTNGACSGPLFEATIIYLQ 180
DB 121 GKLECFPTKRSNSALRLVLFSSSLRLKCNACCQRYFTNGACSGPLFEATIIYLQ 180
QY 181 GSPENSTINIHRTSSVEGLCEBIGAGLVVAIHWGTCSDYPKGDASTGMSVSRILIEE 240
DB 181 GSPENSTINIHRTSSVEGLCEBIGAGLVVAIHWGTCSDYPKGDASTGMSVSRILIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 2

US-09-946-374-352
Sequence 352, Application US/09946374
Publication No. US20030073129A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deansoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2830P1C1
CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
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PRIOR APPLICATION NUMBER: 60/098749
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PRIOR APPLICATION NUMBER: 60/105694
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105807

Query Match 100.0%; Score 1301; DB 10; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPASPQRLGILLLLLPASSASEIRKQKQAOIRQSEVVDLYNMCQGP 60
DB 1 MRPGPASPQRLGILLLLLPASSASEIRKQKQAOIRQSEVVDLYNMCQGP 60
QY 61 GVPGRDGPANVIGTPIGIFGRDGFKEGKECURESPESWTPTYKQCSWSLNYGIDL 120
DB 61 GVPGRDGPANVIGTPIGIFGRDGFKEGKECURESPESWTPTYKQCSWSLNYGIDL 120
QY 121 GKIACTPTKXMSNSLRVLFSSGLRKCENACCORWFTFNGARCSGGLPIRAITYLDQ 180
DB 121 GKIACTPTKXMSNSLRVLFSSGLRKCENACCORWFTFNGARCSGGLPIRAITYLDQ 180
QY 181 GSPENSTINIRHTSVEGCEGIGAGLVDAIWTGTCSDYKGDASTGMSYSRIIEE 240
DB 181 GSPENSTINIRHTSVEGCEGIGAGLVDAIWTGTCSDYKGDASTGMSYSRIIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 3
US-09-946-374-431
Sequence 431, Application US/09946374
Publication No. US20030073129A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C1
CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
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PRIOR FILING DATE: 1998-09-16
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PRIOR FILING DATE: 1998-10-02
PRIOR APPLICATION NUMBER: 60/103258
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Query Match 100.0%; Score 1301; DB 10; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGSPASPOLRLRLLLLLLLQLPAPSSASEIPKXKOKALRQREVVDLVNMGCLGPA 60
DB 1 MRPGSPASPOLRLRLLLLLLLQLPAPSSASEIPKXKOKALRQREVVDLVNMGCLGPA 60
QY 61 GVPKRDGSPGANVIGTPEIGPGRDGFKGEKGECLRESFEBSWTPYKXCSWSLNVGIDL 120
DB 61 GVPKRDGSPGANVIGTPEIGPGRDGFKGEKGECLRESFEBSWTPYKXCSWSLNVGIDL 120
QY 121 GKTAECTFTKRSNSALRLVFGSLKCKNACCQRYFTTNGACSGPLPEALITYLDQ 180
DB 121 GKTAECTFTKRSNSALRLVFGSLKCKNACCQRYFTTNGACSGPLPEALITYLDQ 180
QY 181 GSPENSTINIHRTSVEGLCEGIVDAIWTGTCSDYPKGDASTGMSVSRILIE 240
DB 181 GSPENSTINIHRTSVEGLCEGIVDAIWTGTCSDYPKGDASTGMSVSRILIE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 4
US-10-006-867-122
Sequence 122, Application US/10006867
Publication No. US20020119130A1
GENERAL INFORMATION:
APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
TITLE OF INVENTION: SECRETED
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/006,867
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: 60/063435
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/064215
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PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091628
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/096012
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/096757
PRIOR FILING DATE: 1998-08-17

PRIOR APPLICATION NUMBER: 60/096949
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PRIOR FILING DATE: 1998-08-26
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PRIOR APPLICATION NUMBER: 60/099741
PRIOR FILING DATE: 1998-09-10
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PRIOR APPLICATION NUMBER: 60/099812
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PRIOR APPLICATION NUMBER: 60/099815
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/100627
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100662
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100683
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100684
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100930
PRIOR FILING DATE: 1998-09-17
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PRIOR FILING DATE: 1998-09-23
PRIOR APPLICATION NUMBER: 60/101338
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101743
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101916
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/102570
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PRIOR APPLICATION NUMBER: 60/103449
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103678
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103679
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103711
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/105000
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105881
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/106030
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: 60/106464
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/106856
PRIOR FILING DATE: 1998-11-03
PRIOR APPLICATION NUMBER: 60/108807
PRIOR FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: 60/112419
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112422
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112853
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113011

PRIOR FILING DATE: 1998-12-16
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PRIOR FILING DATE: 1998-12-16
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PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113408
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PRIOR APPLICATION NUMBER: 60/113430
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/114223
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 60/115614
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/116527
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: 60/116843
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/119285
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119287
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119525
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/119549
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/120014
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/129122
PRIOR FILING DATE: 1999-04-13
PRIOR APPLICATION NUMBER: 60/129674
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/138387
PRIOR FILING DATE: 1999-06-09
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/175481
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: 60/191007
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/199397
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/380139
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: 09/311832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/380137
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/380138
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/380142

Query Match 100.0%; Score 1301; DB 13; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 MRPGPAASPPQRRLGILLILLLO:PASSASBEPKQKQAO:RQREVVDLYNMCLOGPA 60
DB 1 MRPGPAASPPQRRLGILLILLLO:PASSASBEPKQKQAO:RQREVVDLYNMCLOGPA 60
CY 61 GVPGRDSPGANVYIPGTGPI:GPRDGFKEKGECLRESFESWTPTNYKQCSWSSINYIDL 120
DB 61 GVPGRDSPGANVYIPGTGPI:GPRDGFKEKGECLRESFESWTPTNYKQCSWSSINYIDL 120
CY 121 GKIAECTFTKMRNSALRVLP:SGSLRLKCRNAACCRWYTFNFNAECSGPIPIEALITYDO 180
DB 121 GKIAECTFTKMRNSALRVLP:SGSLRLKCRNAACCRWYTFNFNAECSGPIPIEALITYDO 180

QY 181 GSPENSTINIRHTSSVEGLCEGIGALVVAIIVWGTCSDYKPGDASGNMNSVRIIEE 240
DB 181 GSPENSTINIRHTSSVEGLCEGIGALVVAIIVWGTCSDYKPGDASGNMNSVRIIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 5
US-10-052-586-366
Sequence 366, Application US/10052586
Publication No. US20020127584A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guirney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P343OR1C1
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: US/10/052,586
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR FILING DATE: 1997-10-28
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PRIOR FILING DATE: 1997-10-28
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PRIOR APPLICATION NUMBER: 60/063564
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063734
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063870
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066120
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066466
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066772
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069335
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PRIOR APPLICATION NUMBER: 60/069870
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/068017
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/077450

PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
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PRIOR FILING DATE: 1998-04-01
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PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
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PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-15
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PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/086392
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086486
PRIOR FILING DATE: 1998-05-22

PRIOR APPLICATION NUMBER: 60/087098
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/087208
 PRIOR FILING DATE: 1998-05-28
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 PRIOR FILING DATE: 1998-06-02
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 PRIOR FILING DATE: 1998-06-02
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 PRIOR APPLICATION NUMBER: 60/089598
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089653
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089908

Query Match 100.0%; Score 1301; DB 13; Length 243;
 Best Local Similarity 100.0%; Pred. No. 1e-120;
 Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPASPQRRLGILLILLILQLPAPSSASEIPKQKQAKQRLRQREVVDLYNMGCLQGPA 60
 DB 1 MRPGPASPQRRLGILLILLILQLPAPSSASEIPKQKQAKQRLRQREVVDLYNMGCLQGPA 60

QY 61 GVPGRDGSFGANVITPGTPIGRDGFKEKGBCLRESEFSESWTPNKKCSWSSLYNGIDL 120
 DB 61 GVPGRDGSFGANVITPGTPIGRDGFKEKGBCLRESEFSESWTPNKKCSWSSLYNGIDL 120
 QY 121 GKIACTFTKMSNSALRYVFSGLRLKCRNACCORWFTFNGAECGSLPIEALITYLDQ 180
 DB 121 GKIACTFTKMSNSALRYVFSGLRLKCRNACCORWFTFNGAECGSLPIEALITYLDQ 180
 QY 181 GSPENNSTINIRHTSSVEGLCEGIGAGLVDAIIVGTGSDYKGDASTGMNSVSRITIEE 240
 DB 181 GSPENNSTINIRHTSSVEGLCEGIGAGLVDAIIVGTGSDYKGDASTGMNSVSRITIEE 240
 QY 241 LPK 243
 DB 241 LPK 243

RESULT 6
 US-10-007-805-514
 Sequence 514, Application US/10007805
 Publication No. US20020150581A1
 GENERAL INFORMATION:
 APPLICANT: Jiang, Yugu
 APPLICANT: Dillon, Devin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jiangchun
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Hepler, William T.
 APPLICANT: Henderson, Robert A.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Vedyick, Thomas S.
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Durham, Margareta
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
 FILE REFERENCE: 210121.470C10
 CURRENT APPLICATION NUMBER: US/10/007,805
 CURRENT FILING DATE: 2001-12-07
 NUMBER OF SEQ ID NOS: 593
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 514
 LENGTH: 243
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-007-805-514

Query Match 100.0%; Score 1301; DB 13; Length 243;
 Best Local Similarity 100.0%; Pred. No. 1e-120;
 Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPASPQRRLGILLILLILQLPAPSSASEIPKQKQAKQRLRQREVVDLYNMGCLQGPA 60
 DB 1 MRPGPASPQRRLGILLILLILQLPAPSSASEIPKQKQAKQRLRQREVVDLYNMGCLQGPA 60
 QY 61 GVPGRDGSFGANVITPGTPIGRDGFKEKGBCLRESEFSESWTPNKKCSWSSLYNGIDL 120
 DB 61 GVPGRDGSFGANVITPGTPIGRDGFKEKGBCLRESEFSESWTPNKKCSWSSLYNGIDL 120
 QY 121 GKIACTFTKMSNSALRYVFSGLRLKCRNACCORWFTFNGAECGSLPIEALITYLDQ 180
 DB 121 GKIACTFTKMSNSALRYVFSGLRLKCRNACCORWFTFNGAECGSLPIEALITYLDQ 180
 QY 181 GSPENNSTINIRHTSSVEGLCEGIGAGLVDAIIVGTGSDYKGDASTGMNSVSRITIEE 240
 DB 181 GSPENNSTINIRHTSSVEGLCEGIGAGLVDAIIVGTGSDYKGDASTGMNSVSRITIEE 240
 QY 241 LPK 243
 DB 241 LPK 243

RESULT 7

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US-10-063-547-122
; Sequence 122, Application US/10063547
; Publication No. US20020182638A1
; GENERAL INFORMATION:
; APPLICANT: Baton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerltzen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Matarabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P323ORIC1
; CURRENT APPLICATION NUMBER: US/10/063,547
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 122
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-547-122

Query Match
Best Local Similarity 100.0%; Score 1301; DB 13; Length 243;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
DB 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
QY 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
DB 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
DB 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
QY 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
DB 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
QY 181 GSPEMNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKGDASTGMNSVSRITIEE 240
DB 181 GSPEMNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKGDASTGMNSVSRITIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 8
US-10-174-590-366
; Sequence 366, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Matarabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P343ORIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 366
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-366

Query Match
Best Local Similarity 100.0%; Score 1301; DB 14; Length 243;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
DB 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
QY 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
DB 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
DB 121 GKIAECTFTKMRNSALRYLFGSLRLKCRNACCORWYTFNGACSGPLPIEAIITYDQ 180
QY 181 GSPEMNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKGDASTGMNSVSRITIEE 240
DB 181 GSPEMNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKGDASTGMNSVSRITIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 9
US-10-176-758-366
; Sequence 366, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Matarabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P343ORIC104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 366
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-366

Query Match
Best Local Similarity 100.0%; Score 1301; DB 14; Length 243;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
DB 1 MRPGPAAPQRLRGLLLLLQLPAPSSASEIPKQKQAKLRQREVVDLYNGMCLQSPA 60
QY 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
DB 61 GVPGRDSSPGANVPGTPIGIPGRDGFKEGECLESPESWTNTYKQCSWSLNYGIDL 120
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QY 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
DB 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
QY 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
DB 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 10
US-10-175-737-366
; Sequence 366, Application US/10175737
; Publication No. US2003001353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 366
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-366

Query Match 100.0%; Score 1301; DB 14; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGGPASPORLRLGLLLILLQLPAPSSASEIPKQKQAKQLRQREVVLDYNGMCLQGPA 60
DB 1 MRPGGPASPORLRLGLLLILLQLPAPSSASEIPKQKQAKQLRQREVVLDYNGMCLQGPA 60
QY 61 GVPGRDGSFGANVIGTPGIPGRDGFKEGKGCLESFESWTPNYKQCSWSLNYGIDL 120
DB 61 GVPGRDGSFGANVIGTPGIPGRDGFKEGKGCLESFESWTPNYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
DB 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
QY 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
DB 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 11
US-10-063-616-122
; Sequence 122, Application US/10063616
; Publication No. US20030013855A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.

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; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 122
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-616-122

Query Match 100.0%; Score 1301; DB 14; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGGPASPORLRLGLLLILLQLPAPSSASEIPKQKQAKQLRQREVVLDYNGMCLQGPA 60
DB 1 MRPGGPASPORLRLGLLLILLQLPAPSSASEIPKQKQAKQLRQREVVLDYNGMCLQGPA 60
QY 61 GVPGRDGSFGANVIGTPGIPGRDGFKEGKGCLESFESWTPNYKQCSWSLNYGIDL 120
DB 61 GVPGRDGSFGANVIGTPGIPGRDGFKEGKGCLESFESWTPNYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
DB 121 GKIAECTFTKMSNSALRYLFGSSGLRLKCRNACCOQWYFTFNGACSGPLPIEAIYYLDO 180
QY 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
DB 181 GSPENNSTINIHRTSSVEGLCEGIGAGLVDAIWMGTCSDPKDGASTGMNSVSRIIIEE 240
QY 241 LPK 243
DB 241 LPK 243

RESULT 12
US-10-173-706-366
; Sequence 366, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 366
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien

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; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 366
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-366

Query Match 100.0%; Score 1301; DB 14; Length 243;
Best Local Similarity 100.0%; Pred. No. 1e-120;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPGPAASFORLGLILLILLQLPAPSSASIPKGGKQAKLRQREYVDLYNGMCLGFA 60
Db 1 MRPGPAASFORLGLILLILLQLPAPSSASIPKGGKQAKLRQREYVDLYNGMCLGFA 60
QY 61 GVPGRDGSFGANVTPGTGIPGRDGFKGEGECLRESFESWTPTNYKQCSWSLNYGIDL 120
Db 61 GVPGRDGSFGANVTPGTGIPGRDGFKGEGECLRESFESWTPTNYKQCSWSLNYGIDL 120
QY 121 GKIAECTFTMRNSALRVLFSSGSLRLKCRNACCQRMWFTFNGAECGSLPIEAIYYLDQ 180
Db 121 GKIAECTFTMRNSALRVLFSSGSLRLKCRNACCQRMWFTFNGAECGSLPIEAIYYLDQ 180
QY 181 GSPENNSTINIHRTSSVEGLCEGIGAGLYDVAIWGTGSDYPRKDASTGNNVSRIITEE 240
Db 181 GSPENNSTINIHRTSSVEGLCEGIGAGLYDVAIWGTGSDYPRKDASTGNNVSRIITEE 240
QY 241 LPK 243
Db 241 LPK 243

Search completed: March 2, 2004, 20:35:56
Job time : 35 secs